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3 January 1961

MEMORANDUM FOR : The Record

SUBJECT : Accelerated Test and Operational Program Concepts - Engine Support Comparison

REFERENCE : a. CNC-1047, dated 7 December 1960, titled "Accelerated Test Program-Engine Support"

1. The purpose of this report is to summarize several program concepts and to show alternative levels of support for each concept, in terms of additional engines required, spare engine availability, and shortages of aircraft assigned engines.

2. The data shown in attachment 1 is based upon engine overheat factors as defined in reference (a) and on a presumed flight test schedule. The airplane contractor has not yet released any information regarding a flight test schedule other than initial flight dates. All engine support planning so far, therefore, is based upon presumption.

3. (a) For each program concept shown on attachment 1, alternate A, which maintains a certain minimum number (over and above that required for airplane installation) of spare engines available at all times, is recommended. This minimum positive balance of spare engines is felt necessary in order to account for premature engine removals.

(b) Alternate B indicates the additional engine requirement for maintaining a marginal program with a minimal or zero spare engine allowance for premature engine removals.

(c) Alternates C and/or D indicate a submarginal program with zero allowance for premature engine removals with the resulting shortages of airplane installed engines as afforded by the presently programmed total of 33 engines without addition.

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(d) Attachment 1 is based upon the writer's evaluation of the additional engine requirements for the various program concepts and does not reflect the cost of inspection and overhaul labor and material which must come from the engine contractor.

SIGNED

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Development Branch
DPR-22/P

Attachments:

As cited

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